

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q76092

Yuegang ZHANG et al.

Parent Appln. No.: 09/736,220

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Parent Appln. No. Filed: December 15, 2000

Examiner: Not yet assigned

For: METHOD OF FORMING A HETEROJUNCTION OF A CARBON NANOTUBE AND  
A DIFFERENT MATERIAL, METHOD OF WORKING A FILAMENT OF A  
NANOTUBE

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

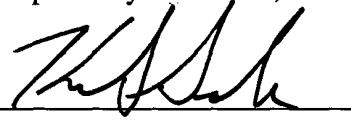
Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form which are all the references of record in parent application No. 09/736,220. Applicant is not submitting duplicate copies of these references but requests that they be listed on the face of any patent granted on the above application. (See 37 CFR §1.98(d)).

INFORMATION DISCLOSURE STATEMENT  
DIVISIONAL OF U.S. Appln. No. 09/736,220

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Keith B. Scala', written over a horizontal line.

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WASHINGTON OFFICE

**23373**

PATENT TRADEMARK OFFICE

Date: July 22, 2003

Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE</b> <b>• STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Parent Appln. No.	09/736,220
				Confirmation Number	Not Yet Assigned
				Filing Date of Parent	December 15, 2000
				First Named Inventor	Yuegang ZHANG
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	Q76092

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	11-11917	A	1/19/1999		No
		JP	8-151205	A	6/11/1996		No
		JP	10-216966	A	8/18/1998		No
		WO	96/30570		10/1996	Moy et al.	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		M.S. Dresselhaus et al., "Science of Fullerenes and Carbon Nanotubes," Academic Press, New York (1996), pp. 802-815.	
		H. Dai et al., "Synthesis and characterization of carbide nanorods," Nature, Vol. 375, June 29, 1995, pp. 769-772.	
		D. Zhou et al., "Production of silicon carbide whiskers from carbon nanoclusters," Chemical Physics Letters, Vol. 222 (1994), pp. 233-238, with Abstract.	
		European Patent Application No. 0 603 888, published June 29, 1994	
		S. Iijima et al., "Pentagons, heptagons and negative curvature in graphite microtubule growth," Nature, Vol. 356 (1992), pp. 776-778.	
		H. Dai et al., "Nanotubes and nonprobes in scanning probe microscopy," Nature, Vol. 384, November 14, 1996, pp. 147-150.	
		S.S. Wong et al., "Covalently functionalized nanotubes as nanometre-sized probes in chemistry and biology," Nature, Vol. 394, July 2, 1998, pp. 52-55.	
		S.J. Tans et al., "Room-temperature transistor based on a single carbon nanotube," Nature, Vol. 393, May 7, 1998, pp. 49-52.	
		Jean-Marc Bonard et al., "Field emission from single-wall carbon nanotube films," Applied Physics Letters, Vol. 73, August 17, 1998, pp. 918-920.	
		Y. Zhang et al., "Microscopic structure of as-grown single-wall carbon nanotubes by laser ablation," Philosophical Magazine Letters, Vol. 78, No. 2 (1998), pp. 139-144, with Abstract.	
		W. Han et al., "Continuous synthesis and characterization of silicon carbide nanorods," Chemical Physics Letters, Vol. 265, February 7, 1997, pp. 374-378, with Abstract.	
		Kiang, Ching-Hwa, et al., "Structural Modification of Single-Layer Carbon Nanotubes with an Electron Beam," 1996, J. Phys. Chemistry, Vol. 100, No. 9, pages 3749-3752.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.